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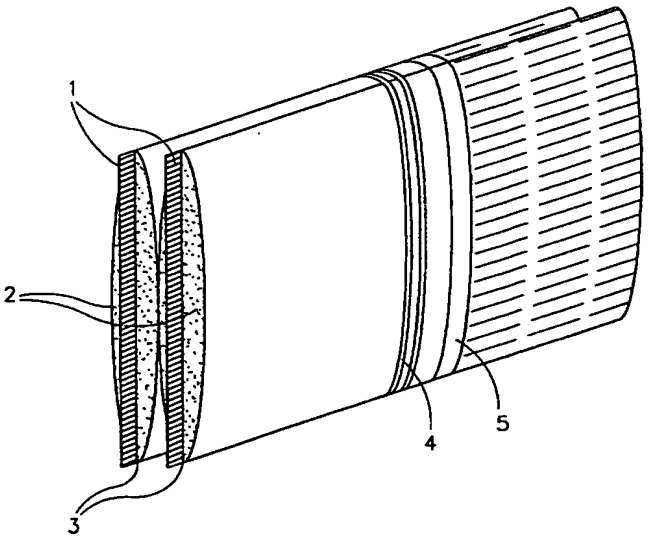
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(54) Title: CHARGEABLE ELECTROCHEMICAL CELL




(57) Abstract: An electrochemical cell for batteries comprising one or more pairs of electrodes (6). The first electrode is comprised of a flexible electrically insulating and ion conducting envelope (5) which contains a flexible conducting substrate (1). The flexible conductor (1) can be made of a conductive material in the form of fabric or grid, inserted into an active material in granular or powder form (2). The second electrode is also a flexible electrically insulating envelope (5) containing an electrical conductor (1) inserted into a layer of an electrochemically complementary active material. The cell also contains a means for applying pressure (4) to the assembly of electrodes, the membrane separator, and the counterelectrodes so as to maintain contact between the active material particles and the conductor. The assembly also contains a suitable electrolyte; electrode connections are provided from each of the envelopes.

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